

# **Oil Sample Analysis Report**

**U. S. EPA Region VI  
Case Number E013611**

**Marine Safety Laboratory  
Case Number 13-119**



U.S. Department of  
Homeland Security

**United States  
Coast Guard**



Manager  
U.S. Coast Guard  
Marine Safety Laboratory

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16450  
10 Apr 2013

U. S. Environmental Protection Agency  
Attn: On-Scene Coordinator  
1445 Ross Avenue, Fountain Place 12th Floor, Suite 1200  
Mail Code: 6SF-PR  
Dallas, TX 752022733

Dear On-Scene Coordinator:

The laboratory analysis of this case has been completed and our report is forwarded. The technical data supporting the report (spectrograms and chromatograms) have been archived at our facility and are available upon request. We will maintain the oil samples in refrigerated storage pending final case disposition.

Questions concerning this report or the analytical methods used should be directed to the Supervisor of Analysis, Kristy Juare.

  
K. JUAIRE  
By direction

Encl: (1) MSL Report 13-119

**United States Coast Guard  
Marine Safety Laboratory  
Oil Sample Analysis Report  
13-119**

**Requestor:** U. S. EPA Region VI

**Unit Case/Activity Number:** E013611

**Received:** 08-Apr-13

**Via:** Federal Express 4735 5743 0448

**Number Of Samples:** 2

**Lab NO. of Spills:** 1

**Lab NO. of Suspects:** 2

**Lab NO. of Background:** n/a

**Analysis Methods:**

- ☒ GAS CHROMATOGRAPHY (GC)
- ☒ GAS CHROMATOGRAPHY-MASS SPECTROMETRY (GC-MS)
- ☐ INFRARED SPECTROSCOPY (IR)

**Laboratory's Conclusion (as explained below): MATCH**

**RESULTS:**

1. Sample 13-119-1 was specified to be representative of spilled oil. Analysis indicates this sample contains heavy petroleum oil with characteristics most resembling those of crude oil. There is no indication of weathering present in sample 13-119-1.
2. Suspected source sample 13-119-2 contains crude oil with characteristics similar to those of sample 13-119-1. There are no "real" differences present between these samples.

**CONCLUSIONS:**

1. Suspected source sample 13-119-2 and spill sample 13-119-1 are derived from a common source of petroleum oil.

**SUPERVISOR OF ANALYSIS**

K. JUAIRE



**DATE**

10-Apr-13

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**United States Coast Guard  
Marine Safety Laboratory**

**Oil Spill Identification Analysis  
Cost Recovery Documentation**

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**Laboratory Case Number:** 13-119  
**Requestor:** U. S. EPA Region VI  
**Unit Case Number:** E013611  
**Number of Samples:** 3  
**Cost Per Sample Prepared:** \$20.00  
**Total Costs of Sample Preparation:** \$60.00  
**Number of Analyses:** 8  
**Cost Per Sample Analyzed:** \$86.00  
**Total Costs for Analysis:** \$688.00  
**TOTAL COSTS:** \$748.00

This documentation is provided for purposes of Phase IV - Documentation and  
Cost Recovery under the National Oil and Hazardous Substances Pollution  
Contingency Plan (40 CFR Part 300)

**Signature:**



**Date:** 10 Apr 2013

**United States Coast Guard  
Marine Safety Laboratory Sample  
Check-In Log**

**MSL Case/Activity Number: 13-119**

**Requestor:** U. S. EPA Region VI

**Unit Case Number** E013611

**Federal Project Number:** E013611

**Delivery Method:** Federal Express

**Received Date:** 08 Apr 13

**Delivery Number:** 4735 5743 0448

**Priority:** No

**Rush:** No

**Comparison** No

Lab Number 13-119	Sample Descriptions from Sample Jars	Spill	Source
1	1 E013611-01 PL02-61-20130405- OIL FROM PIPELINE BREAK 04/05/2013 1400	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	2 E013611-02 PL02-61-20130405 - OIL FROM UPSTREAM PUMP STATION 04/05/2013 1456	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3		<input type="checkbox"/>	<input type="checkbox"/>
4		<input type="checkbox"/>	<input type="checkbox"/>
5		<input type="checkbox"/>	<input type="checkbox"/>
6		<input type="checkbox"/>	<input type="checkbox"/>
7		<input type="checkbox"/>	<input type="checkbox"/>
8		<input type="checkbox"/>	<input type="checkbox"/>
9		<input type="checkbox"/>	<input type="checkbox"/>
10		<input type="checkbox"/>	<input type="checkbox"/>
<b>Remarks:</b>			

**Samples checked in by:** MST3 ZACHARY COTE

**Date:** 08 Apr 13

**Sample Custodian:** MST3 MICHELLE KOSMO

**Date:** 10 Apr 13

**Supervisor of Analysis:** K. JUAIRE

**Date:** 10 Apr 13